

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Steel Dynamics, Inc.
4500 County Road 59
Butler, IN 46721-9747

REPORT NUMBER(S) 2016001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-33848

4. LICENSE NUMBER(S)

13-26651-01

5. DATE(S) OF INSPECTION

Oct. 20, 2016

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

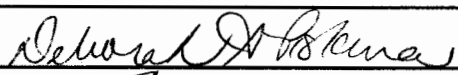
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Deborah A. Piskura, Senior Health Physicist		10/20/16
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		10/28/16

Docket File Information

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3. DOCKET NUMBER(S) 030-33848	4. LICENSE NUMBER(S) 13-26651-01	5. DATE(S) OF INSPECTION Oct. 20, 2016	
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01 - 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Nicole Wiley, RSO	4. TELEPHONE NUMBER (260) 868-8058
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☒ Main Office Inspection Next Inspection Date: Oct. 20, 2021

☒ Field Office Inspection 2601 CR 700E, Columbia City, IN

☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a large private steel company that operated three steel mills in the State of Indiana. The licensee utilized Am-241 sources in gauging devices to measure thickness of rolled sheet steel (permanently installed on the line). The licensee also utilized Co-60 sources in mold level control gauges to measure the level of molten metal within a mold through the mold walls (no direct contact with the molten steel). These gauges were relocated and installed by authorized gauge users in the mold units based on production orders. The licensee maintained a secure storage area for the mold level control gauges that were not in use or pending relocation. One individual served as the RSO with an individual designated to assist at each of the mills. The licensee approved 10 individuals as authorized gauge users. The licensee retained the services of a consultant firm who audited the radiation safety program at each mill on a quarterly basis (no findings identified).

This inspection consisted of interviews with licensee personnel, a review of selected records, tours of the Butler and Columbia City mills, and independent measurements. The inspection included observations of security of byproduct material, postings, and environmental conditions around selected gauge units. The inspector reviewed the circumstances surrounding the receipt of a gauging device that was inadvertently transferred to the mill on or about 6/7/2016, as part of a scrap shipment (EN52040/NMED 16270). The licensee provided the inspector with a time line of receipt, storage, and transfer (on 7/8/2016) of the gauge to an authorized waste service firm. The licensee described changes to its detector systems used to monitor incoming scrap to improve its capabilities for early detection of RAM. This matter is considered closed for this licensee.

No violations of NRC requirements were identified during this inspection.